CCNPP3COLA NPEmails

From: Rycyna, John
Sent: Tuesday, February 10, 2009 4:10 PM
To: Poche, Robert
Cc: CCNPP3COL Resource; Tabatabai, Sarah; Stieve, Alice; Karas, Rebecca; Munson, Clifford; Wang, Weijun
Subject: Agenda and Information Needs for the Calvert Cliffs Site Geology Audit (PUBLIC)
Attachments: CCNPP3 Site Audit 021009.doc

Rob,

Attached is an update to the subject document. I should be able to specify which core borings you need to make available tomorrow.

John Rycyna

Hearing Identifier: CalvertCliffs_Unit3Cola_NonPublic_EX
Email Number: 4664

Mail Envelope Properties (499C2FC6BB962446994CA8682D8ADF3316CBC0620F)

Subject: Agenda and Information Needs for the Calvert Cliffs Site Geology Audit (PUBLIC)
Sent Date: 2/10/2009 4:09:43 PM
Received Date: 2/10/2009 4:09:45 PM
From: Rycyna, John

Created By: John.Rycyna@nrc.gov

Recipients:
"CCNPP3COL Resource" <CCNPP3COL.Resource@nrc.gov>
Tracking Status: None
"Tabatabai, Sarah" <Sarah.Tabatabai@nrc.gov>
Tracking Status: None
"Stieve, Alice" <Alice.Stieve@nrc.gov>
Tracking Status: None
"Karas, Rebecca" <Rebecca.Karas@nrc.gov>
Tracking Status: None
"Munson, Clifford" <Clifford.Munson@nrc.gov>
Tracking Status: None
"Wang, Weijun" <Weijun.Wang@nrc.gov>
Tracking Status: None
"Poche, Robert" <robert.poche@unistarnuclear.com>
Tracking Status: None

Post Office: HQCLSTR02.nrc.gov

Files	**Size**	**Date & Time**
MESSAGE	166	2/10/2009 4:09:45 PM
CCNPP3 Site Audit 021009.doc	28270	

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

Agenda and Information Needs for the Calvert Cliffs Site Geology Audit

Day 1
Field Trip

General Unit 3 site tour

View the exposures at Moran Landing. These exposures are discussed in FSAR Section 2.5.1.1.4.4.4.8 (page 2.5-54).

View any available exposures of the area or vicinity stratigraphy. There appear to be some deeply cut stream valleys that might expose local stratigraphy in-situ. This would be useful to see before reviewing the core borings if possible.

View core borings, including the deepest core available at the site. Please have a handout map of the core borings available for review.

Day 2
Discussions in the office:

Geology

View the seismic lines related to the Hillville fault zone (i.e. the seismic profile St-M-1 and the profile of Hansen (1978) profile if different) and any marine profiles that might have crossed the offshore projection of the Hillville fault.

View the LiDAR data for the site vicinity at a scale that is readable (re: Figure 2.5-26, which is not legible even electronically), perhaps with GIS and other layers of interest such as geology and stream courses, site facilities.

Please provide appropriate expert(s) to discuss of the following:

- Site Geology (vicinity and area): Chesapeake Formation cross-sections - there seem to be plenty of boreholes and you have it divided in Figure 2.5-44?
- Evidence for or against extended crust and buried Mesozoic basins beneath the Plant
- Tectonic structures in the site area and vicinity, specifically Cenozoic and younger structures. Please have available all available evidence for the Hillville fault.

Discuss FSAR Section 2.5.1 document revisions: figures, organization, references.

Seismology

Please provide subject matter expert(s) to discuss the following:

How the deaggregations were performed (FSAR Section 2.5.2.4.6)

How the different EPRI EST hazard curves and deaggregations were combined in the final hazard calculations

Characterization of the Central Virginia Seismic Zone (including probability of activity and maximum magnitude)

The significance of the New Madrid Seismic Zone at the site

Site response (model, inputs, and results)